

Application

This is a free flowing, powdered litharge of uniform particle size and very high purity. It is used as active material in valve regulated and specialty batteries where gas promoting ions can not be tolerated and where very low self discharge rates are required.

Physical Properties

Color.....Yellow
Form..... powder
Specific Gravity..... 9.5 g/cc
Apparent Density.....26 - 32g/cu.in.
Acid Absorption.....130 - 160 mg/g.
Molecular Weight.....223.21
Refractive Index.....2.67
Melting Point.....1630°F. (888°C.)
Median Particle Size.....3-5 µm
Screen Analysis.....0.05% > 325 mesh
99.5% < 325 mesh

(U.S. Standard Sieve)

Trace Elements

Trace Elements	Maximum (%)	Typical (%)
Fe	0.0007	0.0004
Zn	0.0006	0.0004
Cu	0.0004	0.0003
Ag	0.0015	0.00006
Bi	0.0050	< 0.0009
As, Sb, Sn	0.0009	< 0.0004
Ni, Te, Th, Cd	0.0006	< 0.0005
Co, Cr, Mn, Se	0.0002	< 0.0001

Chemical Composition

Element	Range
PbO (litharge)	99.85% minimum
Pb (free lead)	0.10% maximum
Pb ₃ O ₄ (red lead)	0.05% maximum

Packaging
50 lb. / 22.68 kg Paper bags / Pails
28-gallon steel drums (700 lbs. / 317.51 kg)
Sling bags (2,000 lbs. / 907.19 kg)
Special packaging may be available upon request

Note:

This data sheet illustrates typical values for this product. If specific characteristics are required that are different from these values, please contact your area sales representative.



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